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V.—*Mute and Liquid in Greek Melic Poetry (II).*

BY PROF. HERBERT WEIR SMYTH,

BRYN MAWR COLLEGE.

SINCE the appearance of my article on Mute and Liquid in Greek Melic Poetry, in the last number of the TRANSACTIONS (Vol. XXVIII, pp. 111–143), the material in question has been greatly increased by the newly discovered poems of Bacchylides. I had already made my collection of the instances in point when I received the edition of Friedrich Blass, who in most cases has introduced diacritical marks to show the quantitative value of the various combinations of mutes with liquids.

The Oxyrhyncus papyri have given us a fragment of Sappho and a bit of Alkman,¹ each of which contributes an instance or two, which are added after the statement of the facts as regards Bacchylides. The old as well as the new fragments of Bacchylides are cited by the numbering of Kenyon's edition, but the text adopted is occasionally different from that of the English editor.

ΠΡ.

WEAK.

STRONG.

(πρ initial.)

πρός 5₁₄₉, 11₂₃.προσέφα 5₉₃.πρόσθε 17₄₅.πράξαντι 3₉₄.πρεσβύ[τατο]ν 7₈.πρέπει 19₁₂.πρότερος 5₄₃, 13₁₃₁.πρύμνη 13₇₂.

(πρ medial in compounds.)

ἀπρακτ' frag. 49.

ἀπράκταν 10₈.αιολοπρύμνοις frag. 1₄.κυανόπρωρα 17₁.λεπτόπρυμνον 17₁₁₉.

¹ If the lines are not by Alkman they are at least a happy imitation of his manner.

WEAK.

STRONG.

(πρ medial in augment and reduplication.)

πεπρωμέναν 3₂₅, 17₂₆.μετέπρεπεν 5₆₈.
ἐν[έ]πρεπεν 9₂₇.

(πρ medial not in compounds.)

κάπρον 5₁₀₅.
Κύπρις 5₁₇₃, 17₁₀, frag. 56₃.Indecisive: πρόσθε 3₄₇.

KP.

(κρ initial.)

κραινων 13₁₂.κρύπτειν 3₁₄.
Κρονίδαν 5₁₇₈.
κρόταφον 17₃₀.
κ[ράτα] or κ[ρατί] 8₁₂.

(κρ medial in compounds.)

διακρίτους 10₄₆.διακρινεῖ 9₂₈.
Θεόκριτος frag. 54.*φοινικοκράδεμνος* 11₉₈, 13₁₈₉.πολιοκρόταφον frag. 42₂.
πολύκρημον frag. 1₁₂.
πολυκρατές 9₁₅.
πολύκριθον 11₇₀.
νεόκροτον 5₄₈.
χαλκεόκρανον 5₇₄.

(κρ medial in reduplication.)

διακεκριμέναι frag. 68.

(κρ medial not in compounds.)

δάκρυ 17₉₅.
δακρυόεις 5₉₄.
πολ[ύδ]ακρυν 16₂₄.
Ἄκρισίω 11₆₆.
ὶκρίων 17₈₃.
μακράν 10₅₁.Indecisive: δάκρυσα 5₁₅₂, πολυδάκρυν 3₃₀, νεοκριτο frag. 12₅.

TP.

WEAK.

Tροιζανία 17₅₈.

(τρ initial.)

φοινικότριχας II₁₀₅.ιπποτρόφον II₁₁₄.'Αμφιτρυωνίαδας 5₈₅ 16₁₅.'Αμφιτρίταν 17₁₁₁.

STRONG.

λεπτότριχα 5₂₈.ξανθότριχα 5₃₇.τανυτρίχων frag. 46₄.ἀμπελοτρόφον 6₃.πορτιτρόφ[ον] II₃₀.μηλοτρόφον II₉₅.'Αμφιτρύωνος 5₁₅₆.παρατρέψαι 5₉₅.ἄτρεμ' 5₇.ἄτρομήτος 13₉₀.ἄτρυτος 5₂₇, 9₃₀ (conj.).

(τρ medial in augment.)

ἀπέτραπεν II₂₇.

(τρ medial not in compounds.)

πατρός 5₂₀ (conj.), 17₆₂.πατρός 17₉₉, 109.[π]ατρίων I₇.[π]ατρ[ώα]ν I₃₄₁.ἀριστοπάτρα II₁₀₆.μίτραισιν 13₁₆₃.τετρ[α] 10₂₅.'Ατρείδας II₁₂₃, 15₆.ἀμετροδίκοις II₆₈.θυγατρῶν, etc. 3₈₅, 5₁₆₇, 9₅₀II₈₄, 9₉, frag. 34.Πετρ[αί]ον 14₂₀.ἀλλότριον 15₆₀.φαρέτρας 5₇₆.Indecisive : ἀμετρον (conj.) 17₆₇, τρέφει 13₂₉, πατρίδος
frag. 12₅.

BP.

(βρ initial.)

βροτός 5₁₀₉.βροτός 18₁₂, frag. 48₁.

(βρ medial in compounds.)

δναξιβρόντας 17₆₆.βαρύβρομον 17₇₆.ἐριβρύχας 5₁₁₆.

WEAK.

(βρ medial not in compounds.)

ἀβρόν frag. 52₂.
 ἀβ[ρο]βάταν 3₄₈.
 ἀβροβίων 18₂.
 νεβρός 13₅₄.
 Ἔβρω 16₅.
 ὑβρις 13₁₁, 15₅₉, 17₄₁.
 ὁβριμοδερκεῖ 16₂₀.
 ὁβριμοσπόρου 19₃₂.

Indecisive: βροτῶν 13₂₉ (where read παύροις βροτῶν for παύροισι βροτῶν of the papyrus), βροτωφελέα 13₁₅₈.

ΓΡ.

(γρ medial not in compounds.)

ὑγροῦσι 17₁₀₈.

ἀγρότερος 5₁₂₃, II₈₇.
 Μελέαγρος 5₇₇, 9₃, 17₁.
 λυγραῖς II₆₈.

ΔΡ.

(δρ initial.)

δράκων 9₁₃.δρῶν 3₈₃.ἀελλοδρόμαν 5₃₉.

(δρ medial in compounds.)

'Ο[λυμ]πιοδρόμους 3₄.
 *Ἀδραστον 9₁₉.

(δρ medial in augment.)

διέδραμεν 15₄₄.

(δρ medial not in compounds.)

ἔδρας frag. 5₂.

ἴδρωεντ' 13₂₄.
 εὔνδρον II₁₁₉.
 παρέδρον II₅₁.

ΦΡ.

(φρ initial.)

φρένας II₄₅.φρένεσσιν 14₁₁.

(φρ medial in compounds.)

δαΐφρων 5₁₂₂, 137.
 ḡπιόφρον 13₄₅.

WEAK.

STRONG.

ἐπίφρον' 16₂₅.
 σαόφρων 13₁₅₃.
 μελίφρων frag. 13₅, 46₁₀.

($\phi\rho$ medial not in compounds.)

ἄφρα 18₄₂.
 ὀφρύων 17₁₇.
 Ἀφροδίτα 17₁₁₆.
 ἄφροστήναις 15₅₇.
 ἐλαφρός 17, frag. 49₁.

XP.

($\chi\rho$ initial.)

χρυσός 3₁₇, 65, 87, frag. 57₁.
 χρύσεος 17₃₆, 60, 19₁₆.
 χρυσοκόμας 4₂.
 χρυσόπαχν 5₄₀.
 χρυσαίγιδος frag. 52₁.

χρύσεος 5₁₇₄, 10₄₀.

χρόνος 11₁₂₅, frag. 42₁.

χρυσ[άρος] 3₂₈.
 χρυ[σ . . .] 10₆.
 χρόνος 8₇, [frag. 41].

($\chi\rho$ medial in compounds.)

ἀχρεῖον 10₅₀.
 ἐπιχρύμπτει frag. 62₃.
 πολυχρυσώ 11₄ (= frag. 9₂ B).

($\chi\rho$ medial in augment.)

κατέχρανεν 5₄₄.

Indecisive: (\grave{a})χρει 1₆, χρή 3₇₈, χρυσόπεπλος 19₂₂, χρυσεό-
 πλοκος 17₁₀₆, [χρυ]σοθρόν[οιο] 4₇.

OP.

($\theta\rho$ medial in compounds.)

ἀγλαόθρονος 17₁₂₄.

ἐπαθρήσαι 13₁₉₄.
 ῥεέθροις 3₂₀, 5₆₄.
 μελάθρων 11₄₄.
 ὅλεθρον 5₁₃₉.

($\theta\rho$ medial not in compounds.)

ἄθρησον 5₈.

Indecisive: [χρυ]σοθρόν[οιο] 4₇.

ΠΑ.

WEAK.

STRONG.

(πλ initial.)

πλοῦτον 3₁₈.*πλείόνα* 3₆₃.*πλημύρων* 5₁₀₇.*πλα[ξιππω?]* 9₂₀.*πλόκον* 17₁₁₄.

(πλ medial in compounds.)

παραπλῆγι 11₄₅.*ἰόπλοκος* 9₇₂, 17₃₇.*χρυσεόπλοκος* 17₁₀₆.*κυανοπλόκαμος* 5₃₃, 9₅₃, 11₈₃.*βαθύπλουτον* 3₈₂.*πολύπλαγκτος* 11₃₅, 13₁₄₈.*ἄπλατος* 5₆₂, 13₁₈.*ἀποπλέων* frag. 1₁₃.

(πλ medial in augment.)

ἢπλε[το] 1₃.

(πλ medial not in compounds.)

εὐπεπλος 11₄₂, 15₄₉.*χρυσόπεπλος* 19₂₂.*ὅπλοισι* 18₃₃.*ὑπέροπλος* 9₁₈.*ὅπλότερον* 11₇₁.Indecisive : [ιοπλό]κων 3₇₁, εὐπέπλον 9₆₁, π[λεῦ]νας 7₈.**ΚΛ.**

(κλ initial.)

κλεινόν 19₉.Κλειώ 3₃, 12₂, 13₁₉₅.*κλεεννός* 5₁₈₂.*κλέομεν* 16₁₃.*κλυτός* 17₁₀₁.

(κλ medial in compounds.)

*Ιφικλον 5₁₂₈.*περικλειτός* 5₁₂₀, 9₈, 10₁₉, 11₈₀,

frag. 58.

ἀγακλειτα[ις] 13₅₇.*ἀγακλεα* 16₁₂.*[μεγ]αλοκλέας* 8₁₁.*τοξόκλυτος* 11₃₉.*λιγυκλαγγής* 5₇₃, 14₁₄.*ὑπόκλοπον* frag. 61.

WEAK.

STRONG.

(κλ medial in augment and reduplication.)

κέκληγται 7₉.
ἔκλαγε 17₁₂₇.κίκλ[ησκε] 11₉₉.
ἔκλαγον 3₄₉, 18₃.
ἔκλυ' 11₁₀₆.
ἐπέκλωσεν 5₁₄₃.

(κλ medial not in compounds.)

'Οὐκλεῖδας 9₁₆.
Κύκλωπες 11₇₇.
κύκλον 9₃₀.Indecisive: κλυντάνι 17₇₃.

ΤΛ.

(τλ initial.)

τλ[άμων] 5₁₈₃.

(τλ medial in compounds.)

βαρύτλ[ατ]ος 14₄.

(τλ medial not in compounds.)

σχέ[τλ]ιον 17₁₉.

ΒΛ.

(βλ initial.)

βλέφαρον 11₁₇, frag. 46₁₀.
βλέποντα 19₁₉.

(βλ medial in compounds.)

ἰοβλέφαρος 19₅ (9₃?).

ΓΛ.

(γλ initial.)

γλυκεῖα frag. 57₂.

(γλ medial in compounds.)

μελίγλωσσος 3₉₇, frag. 46₂.

(γλ medial not in compounds.)

ἀγλαός 5₁₅₄, 17₂, 61, 103.
ἀγλαόθρονοι 17₁₂₄.
'Αγλαῖα 3₆.
ἀγλαΐζετω 3₂₂.
φιλάγλαος 13₁₉₂, 18₆₀.Indecisive: ἀ[γλ]αῖα 10₉.

ΦΛ.

(φλ medial not in compounds.)

τυφλά 5₁₃₂.

ΘΛ.

WEAK.

STRONG.

(θλ medial not in compounds.)

ἄεθλος, -ον 8₁₆, 9₈, 10₁₉, 13₁₈₅.
πενταέθλοισιν 9₂₇.

ΤΜ.

(τμ medial not in compounds.)

πότμον 5₁₈₈.
κακόποτμος 5₁₈₈.

ΓΜ.

(γμ medial not in compounds.)

ἀμάργμα 9₃₆.
ἐπιδέγμενοι 17₉₆.

ΔΜ.

(δμ medial in compounds.)

ἀδματος 5₁₆₇, 11₈₄.
ἀδμάτες frag. 60.
ἐνδμ[ατον] 9₅₄.
θεόδματος 11₅₈, 12₇, 13₁₈₃, frag. 44.

Indecisive: Κάδμος 19₄₈.**ΘΜ.**

(θμ medial not in compounds.)

τυθμένες 5₁₈₈.**ΠΝ.**

(πν initial.)

πνέων 5₁₈₈.

(πν medial not in compounds.)

ῦπνος frag. 13₃.
ᾶϋπνον 19₂₃.

Indecisive: πνέονσ' 17₉₁.**ΚΝ.**

(κν initial.)

Κνωσσίων 17₃₉.Κνώστον 17₁₂₀.

(κν medial not in compounds.)

τέκνα II₁₀₂.
κύ[κνω] 16₆.
ἰκνεῖσθαι frag. 42₃.

Indecisive: τέκνον frag. 12₆.

TN.**WEAK.****STRONG.**

(τν medial not in compounds.)

πίτνον 17₆.
ἐμπίτνων 10₂₄.
πότνια 12₅.

TN.

(γν medial in compounds.)

ἀγνοήσειν frag. 58.
[ἀ]γνάμπτων 9₇₃.
ἀρίγνωτος 5₂₉, 9₆₄, 10₃₇, 17₅₇.
καστίγνητος 10₉, 11₆₅.

(γν medial not in compounds.)

ἀγνός 10₂₉, 11₂₅, 15₅₄.

Note: *ἀμμιγνυμένα* frag. 56₄ should be *ἀμμειγ-* (cf. *μειξω*, *ἐμειξα*).

ΔN.

(δν medial not in compounds.)

κεδνός 3₃₃, 17₂₉.
Ἐχιδνας 5₈₂.

Indecisive: *κεδνῶν* 5₁₁₈.**ΦN.**

(φν medial not in compounds.)

ἀφνεοῦ 17₃₄.
ἀφνεός 1₃₄, 5₅₃.
πέφνε 5₁₁₆, 9₁₈, 18₁₉.

XN.

(χν medial not in compounds.)

ἀραχνᾶν frag. 46₇.
τέχνα 11₃₃, 13₁₆.

ΘN.

(θν initial.)

θνατός 3₈₁, 9₃, frag. 50.
θνατός frag. 42₁, 46₁.

Indecisive: *θν[ατ..]* 19₄₅.*μν* always makes position.

SUMMARY.

	Initial.	Medial:		Medial:		Medial: not		Total.	
		Weak.	Strong.	Weak.	Strong.	Weak.	Strong.	Weak.	Strong.
$\pi\rho$.	4	6	4	I	2	2	..	4
$\kappa\rho$.	I	4	3	8	..	I	..	6
$\tau\rho$.	I	..	5	12	..	I	6	15
Total Tenues .	6	10	12	21	2	4	6	25	26
$\beta\rho$.	I	2	I	2	..	..	..	10
$\gamma\rho$	I	6	I
$\delta\rho$.	2	..	I	2	..	I	I	3
Total Mediae .	3	2	2	4	..	I	2	19	7
$\phi\rho$.	I	I	..	7	..	..	..	6
$\chi\rho$.	12	6	..	3	..	I	..	..
$\theta\rho$	I	..	..	..	I	5
Total Aspiratae	I3	7	I	10	..	I	I	II	15
$\pi\lambda$.	4	I	I	12	..	I	..	6
$\kappa\lambda$.	4	3	I	12	2	5	..	5
$\tau\lambda$.	I	..	..	I	..	..	I	I
Total Tenues .	9	4	2	25	2	6	..	10	13
$\beta\lambda$.	..	3	..	2	..	..	..	..
$\gamma\lambda$.	..	I	..	I	..	..	9	..
Total Mediae .	..	4	..	3	..	..	..	9	..
$\phi\lambda$	I	..
$\theta\lambda$	5	..
Total Aspiratae	6	..
$\tau\mu$	2
Total Tenues	2	..
$\gamma\mu$	2
$\delta\mu$	8	..	..	..	..
Total Mediae	8	..	..	..	2	..
$\theta\mu$	I	..
Total Aspiratae	I	..
$\pi\nu$.	I	..	..	..	..	..	..	2
$\kappa\nu$.	I	I	..	..	..	..	..	3
$\tau\nu$	3
Total Tenues ..	2	I	..	..	..	..	..	8	2
$\gamma\nu$	8	..	..	..	3
$\delta\nu$	3
Total Mediae	8	..	..	..	6	..
$\phi\nu$	I	5
$\chi\nu$	I	2
$\theta\nu$.	3	2	..	..	..	..	..	3
Total Aspiratae	3	2	..	..	..	..	..	2	5
Grand Total .	36	30	I7	79	4	I2	II	106	68 227

A comparison of all the fragments of Bacchylides with the epinikian odes of Pindar shows that the former poet is much more conservative than the latter in his admission of cor-
reption. In Bacchylides the proportion of weak to strong position is .29, in Pindar .60. Simonides' melic fragments are too scant to warrant any satisfactory conclusion (.61).

Sappho (*Oxyrhyncus Papyri*, Vol. I, No. vii) has the following cases of strong position: ἀβλάβην 1, καστίγνητον 2, -αν 9, λύγραν 10, ἀγ[λατ']ᾳ 14. Alkman (*ibid.* No. viii) has ἀριπρεπέας.

The following additions may be made to the previous article. Cases of strong position: Ἡρακλέης Aristotle, l. 9, τεθνάκην Sappho 2₁₅; of weak position, πρόπινε Anakr. 66. ἐδάκρυσαν Sim. 52 (p. 115) belongs under the division 'κρ medial not in compounds.' ἀμετρον Sim. 37₁₆ is indecisive. In πρόφρων Ariphr. 2, φρ makes position, and is not indecisive, as the end of the colon occurs later in the line.